DIGITAL CAMERA
FinePix S6500fd NEW

"Face Detection" Advantages!

Optimized Focus& Exposure! | **As little as 0.05-second Face Detection!** | **Up to 10 faces detected simultaneously!**

The Evolution of "Real Photo Technology" Brings You Ultra-high Sensitivity & Enhanced Image Quality!

The 6th Generation Super CCD HR

The superior light collection performance of the 6th Generation Super CCD HR lets you capture the moment at higher sensitivity with even less noise. It achieves maximum sensitivity of ISO 3200 at full 6.3-megapixel resolution with greatly reduced noise.

RP PROCESSOR II

Originally developed by FUJIFILM, the even more advanced RP Processor II improves double noise reduction to reduce noise thoroughly. It also uses advanced signal processing to enhance color quality of photos taken at low or high sensitivity.

Intelligent Flash

Judging every factor from subject position to distance and lighting, this flash system automatically sets the ideal flash output and sensitivity to prevent both flash washout of skin tones and dark underexposed backgrounds.

SPECIFICATIONS

Model	FinePix S6500fd
Number of effective pixels*	6.3 million pixels
CCD sensor	1/1.7-inch Super CCD HR
Number of recorded pixels	Still image:2,848×2,136 / 3,024×2,016 (3:2 format) / 2,048×1,536 / 1,600×1,200 / 640×480 pixels Movie: 640×480 / 320×240 pixels (30 frames/sec.) with monaural sound
Storage media	Internal memory (approx. 10MB) / xD-Picture Card™ (16MB - 2GB)
File format	Still image : JPEG (Exif Ver 2.2**) CCD-RAW Movie : AVI (Motion JPEG) (Design rule for Camera File system compliant / DPOF-compatible)
Lens	Fujinon 10.7× optical zoom lens, F2.8 - F4.9
Lens focal length	f = 6.2 - 66.7mm (Equivalent to 28 - 300mm on a 35mm camera)
Focus	Mode: Single-AF , Continuous AF, Manual Focus, One-touch AF (when using Manual focus) AF system: TTL contrast-type, AF-assist illuminator AF frame selection: AF (CENTER), AF (MULTI), AF (AREA)
Focus distance	Normal: approx. 40cm (1.3ft.) to infinity(W) approx. 2m (6.6ft.) to infinity(T) Macro: approx. 10cm (4.0 in.) to 3.0m (9.8ft.)(W) approx. 90cm (3.0ft.) to 3.0m (9.8ft.)(T) Super Macro: approx. 1cm (0.4in.) to 1m (3.3ft.)(Wide angle only)
Shutter speed	30 sec. to 1/4000 sec.
Aperture	F 2.8 - F11up to 13 steps in 1/3 EV increments Manual /Auto selectable
Sensitivity	AUTO / Equivalent to ISO 100 / 200 / 400 / 800 / 1600/ 3200
Exposure control	256-zone TTL metering (Multi) / Spot / Average)
Exposure mode	Programmed AE (When using P mode : Program shift is enabled), Shutter-priority AE, Aperture-priority AE, Manual exposure
White balance	Automatic, Manual (Fine, Shade, Fluorescent light (Day light), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light), Custom
LCD monitor	2.5 inch Amorphous silicon TFT (approx. 235,000 pixels), approx. 100 % coverage
Flash	Auto Effective range (ISO 1600): Wide angle: Approx. 0.6m - 8.3m (2.0ft.- 27.2ft.) Telephoto: Approx. 2.0m - 4.6m (6.6ft. - 15.1ft.) Flash mode : Auto, Red-eye Reduction, Forced Flash, Suppressed Flash, Slow Synchro, Red-eye Reduction + Slow Synchro
Self-timer	Approx. 10 sec. / 2 sec. delay
Video output	NTSC / PAL selectable
Digital Interface	USB 2.0 High-Speed
Power source	4 AA type alkaline batteries (included) / 4 AA type Ni-MH rechargeable batteries (optional) or AC power adapter (AC-5VX (optional)
Dimensions	130.7 (W) × 97.2 (H) × 119.5 (D) mm / 5.1 (W) × 3.8 (H) × 4.7 (D) in.
Weight	Approx. 570g (20.1oz.)(excluding batteries and xD-Picture Card) Approx. 660 g (23.3oz.)(including batteries and xD-Picture Card)
Camera functions	
Digital zoom	Approx. 2× ((10.7 x optical zoom lens is used together: Max. zoom scale: 21.4×)
Shooting modes	Normal: Auto, Picture Stabilization, Scene Position, Macro, Movie, Continuous SP: Natural Light, Natural Light & with Flash, Portrait, Landscape, Sport, Night, Fireworks, Sunset, Snow, Beach, Museum, Party, Flower Close-Up, Text Continuous: 1.Top-3 (max.2.2 frames/sec., up to 3 frames) 2.Final-3 (max.2.2 frames/sec., up to 3 frames) 3.Long-period (max.0.7 frames/sec., up to internal memory or memory card size)
Color modes	B&W / CHROME / STANDARD
Movie recording	640×480 / 320×240 pixels, 30 frames/sec. With monaural sound, AVI format (Motion JPEG)
Voice Memo	Up to 30 sec. WAV format
Photography functions	Intelligent Face Detection, High-speed shooting, Best framing, Post shot assist windows, Frame No. memory
Playback functions	Intelligent Face Detection, Single frame, 9 Multi-frame, Sorting by date, Image rotate, Histograms (Highlight warning), Voice Memo, Trimming, Automatic playback

Number of images / recording time

Mode		Still image							Movie	
Quality	画サイズ	6M(3:2)	6M(normal)	4M(normal)	3M(VGA)	2M	1M	0.3M	640	320
Number of recorded pixels	総画素数	3648×2736	3648×2136	3024×2016	2048×1536	1600×1200	1024×768	640×480	640×480	320×240
Internal Memory (10MB)	0	3	6	6	12	15	23	Approx.8 sec.	Approx.16 sec.	
DPC-32F (32MB)	9	42	84	84	162	204	307	Approx.11 sec.	Approx.219 sec.	
DPC-256 (256MB)	19	83	169	169	325	409	1997	Approx.223 sec.	Approx.7.3 min.	
DPC-512 (512MB)	38	170	339	339	651	818	3993	Approx.7.4 min.	Approx.14.6 min.	
DPC-M1GB (1GB)	76	341	680	680	1305	1639	7995	Approx.14.9 min.	Approx.29.3 min.	
DPC-M2GB (2GB)	152	680	1360	1360	2558	3198	15992	Approx.29.8min.	Approx.58.7 min.	

The number of images and recording time will vary slightly depending on the type of subject.
※ The number of recorded pixels is 4608×3456 when displaying image on a PC by using FinePix Viewer.

Guide to the number of available frames for battery operation

Battery	LCD monitor status	Number of frames
4×AA type alkaline batteries	LCD monitor ON	Approx. 200 frames

The number of frames per charge will decrease in High Speed Shooting mode.

According to the Camera & Imaging Products Association (CIPA) standards*** : The storage media should be xD-Picture Card. The battery (4×AA type alkaline batteries) is supplied with the camera.

* Number of effective pixels: The number of pixels on the image sensor which receive input light through the optical lens, and which are effectively reflected in the final output data of the still image.

** Exif 2.2 is a newly revised digital camera file format that contains a variety of shooting information for optimal printing. Exif Print

*** "CIPA DC-002-2003 'Standard Procedure for Measuring Digital Still Camera Battery Consumption' " (extract) Pictures shall be taken at a temperature of 23˚C, with the LCD monitor turned on, the zoom moved from full wide-angle to full telephoto (or vice-versa) and back again to its original position every 30 seconds, the flash used at full power every second shot and the camera turned off and then on again once every 10 shots.

Windows XPcompatible

PictBridge World standard PictBridge compatible

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FUNCTIONS

Simulated LCD display image

OPTIONAL ACCESSORIES

xD-Picture Card™

DPC-16 (16MB)	DPC-M256 (256MB)
DPC-32 (32MB)	DPC-M512 (512MB)
DPC-64 (64MB)	DPC-M1GB (1GB)
DPC-128 (128MB)	DPC-M2GB (2GB) NEW

Soft Case SC-FXS9

Hyper Utility Soft HS-V2 Ver. 3.1

Wide Conversion Lens WL-FX56 NEW

PC Card Adapter DPC-AD
CompactFlash™ Card Adapter DPC-CF
Rechargeable Battery 2HR-3UF(2×AA type Ni-MH)
Battery Charger with Battery (2×AA type Ni-MH) BK Ni-MH/BK-NH

Accessory availability may vary by country.
Please check with your local Fujifilm representative to confirm product availability.

ACCESSORIES INCLUDED

●4×AA type Alkaline batteries ●Shoulder Strap ●USB cable
●A / V cable ●Lens cap ●Lens cap holder ●Lens hood
●CD-ROM: FinePixViewer (Raw File converter included)
ImageMixer VCD2 LE for FinePix

FUJIFILM
FUJI PHOTO FILM CO., LTD.
26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN

For more information on the full range of Fujifilm digital products, please visit our Website: **http://www.fujifilm.com/products/digital**

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FUJIFILM

DIGITAL CAMERA
FinePix S6500fd

iso100-3200
6.3 MegaPixels
Face Detection NEW
28-300mm Lens (35mm equivalent)

NEW

"Face Detection" Advantages!

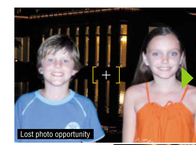
Optimized Focus & Exposure! | **As little as 0.05-second Face Detection!** | **Up to 10 faces detected simultaneously!**

The world's fastest!* **"Face Detection" plus ultra-high sensitivity for more beautiful portrait shots!**

*In the case of digital cameras as of July 2006, Fujifilm research.

"Face Detection" captures faces more beautifully!

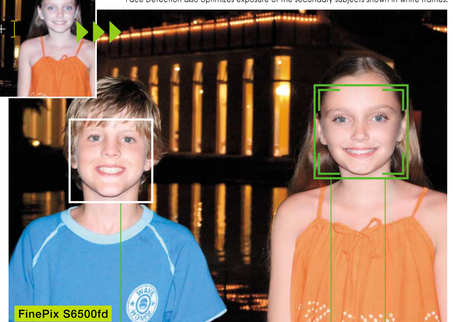
We developed Face Detection to make your desire a reality: Capture beautiful smiles forever – just as your eye sees them.
This advanced Image Intelligence™ technology is integrated in a unique IC chip in the new FinePix S6500fd.
Instantly and automatically, Face Detection identifies faces in the scene, and brings them into clear focus with ideal exposure.
Now you just press the shutter and can capture stunning pictures of people as never before!
FinePix S6500fd frees you to explore a new world of photography.



Indicated by a green frame, the primary subject is brought into clear focus.
Face Detection also optimizes exposure of the secondary subjects shown in white frames.

The conventional digital camera auto-focuses on the background and results in subjects out of focus when...

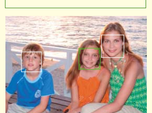
●subjects are on the left and right of the frame,
●there is a light source in the background.



●With high sensitivity, Face Detection precisely identifies faces even in dimly lit scenes.

"Face Detection" Assists in Both Shooting and Playback Modes!

Optimized Focus & Exposure!



As little as 0.05-second Face Detection!
Up to 10 faces detected simultaneously!

Playback with "Face Detection"!
Take advantage of various unique functions!

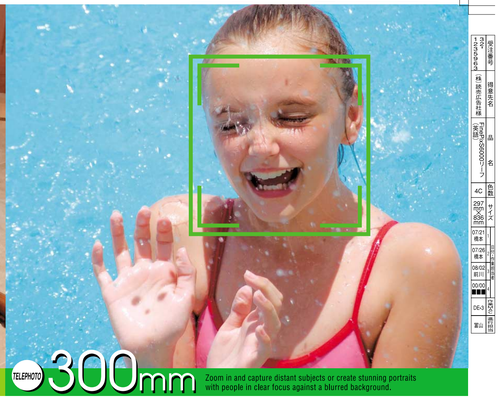
Face-Centric Slideshow Playback

MACRO
Take close-ups from as close as 1cm away with built-in Super Macro!

WIDE ANGLE 28mm
Shoot people and landscapes with a powerful sense of depth.

WIDE ANGLE 28mm
NORMAL 50mm
TELEPHOTO 300mm

NORMAL 50mm
Capture facial nuances with a natural sense of distance when taking portraits and other routine shots.

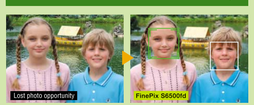


TELEPHOTO 300mm
Zoom in and capture distant subjects or create stunning portraits with people in clear focus against a blurred background.

NEW

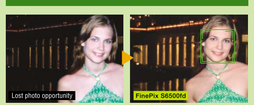
"Face Detection" + Ultra-high Sensitivity ISO 3200 for great photos even in low light or backlighting.

Face Detection finds and focuses faces accurately!



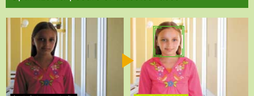
Unlike conventional AF that targets mainly subjects in the center, Face Detection instantly and accurately identifies faces everywhere in the scene and brings them into clear focus.

Even in low light, faces and backgrounds come out bright and beautiful!



Even in dimly lit scenes, Face Detection and high-sensitivity performance combine for outstanding photos that capture facial expressions and background in rich natural detail.

Optimized exposure of detected faces!



Face Detection optimizes exposure for detected faces so your photos of people are brighter with natural face and skin tones.

Face Detection automatically activates Intelligent Flash if necessary!

Depending on the brightness of detected faces, Face Detection will activate Intelligent Flash if necessary.

Clearer photos with higher image quality even at high sensitivity settings!

The 6th Generation Super CCD HR and RP Processor II enhance high-sensitivity photography. In AUTO mode, the camera will take exceptional photos using sensitivity up to ISO 1600. Even at this very high setting, images are vivid and clear with less noise.

Intelligent Flash for the optimum setting of flash volume and sensitivity.

Intelligent Flash judges factors like subject position, camera distance and brightness and then automatically adjusts sensitivity and flash output to suit the scene. For shooting in dimly lit interiors and other low-light situations, choose the AUTO mode and avoid flash washout of the subject or underexposed backgrounds.

"Face Detection" makes possible powerful new functions.

The handy Face Zoom Check function zooms in on detected faces for on-the-spot focus check. Furthermore, in Playback mode, images taken with Face Detection can take advantage of various unique functions.

Zoom Up
Zoom in on detected faces in the photo one by one during playback.

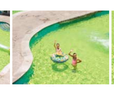
Trimming
Zoom in on a detected face, then trim and save a "portrait" shot all in the camera.

Slideshow
Zoom in on detected faces during playback, and let you enjoy them as a slideshow.

From 28mm wide angle shots to telephoto shots up to 300mm (35mm equivalent), the single integrated lens does it all!

Wide Angle (28mm equivalent)

Optical Zoom 3.6x (100mm equivalent)


Optical Zoom 10.7x (300mm equivalent)

Digital Zoom 21.4x (600mm equivalent)

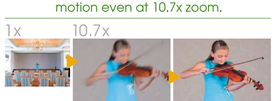
With just one lens, you have command of a full range of photography from wide-angle to telephoto and even macro shots.

*Figure is an image.

The ultra-high-precision Fujinon lens gives the FinePix S6500fd incredible versatility. The aspherical lens elements control color aberration thoroughly. Eliminating the need to change lenses, this one-lens solution not only takes super macro shots from a distance of only 1cm, but also offers a full zoom range from 28mm wide angle to 300mm telephoto and has a manual zoom ring to precisely frame exactly the photo you want.

Sealed lens-body structure keep the CCD dust-free.

The sealed lens-body construction of FinePix S6500fd eliminates both the possibility of dust contamination of the CCD and troublesome cleaning and maintenance.

Picture Stabilization prevents blur from camera shake and subject motion even at 10.7x zoom.

With a maximum sensitivity of ISO 3200, PS Mode can use a very fast shutter speed to prevent blur from camera shake, fast-moving subjects or both. Even shooting with the telephoto, you can avoid blurry results.

Zoom in and record the scene in Movie mode with audio.

Record all the action at full-frame size at a smooth 30 frames per second complete with audio with the Movie mode. Manual zoom, AE, and AF functions are also available to help you maintain a clear focus on the people in the scene with optimum exposure, even if brightness changes as you follow the subject.

Smooth High Quality Video Select the setting of 640 × 480 pixels at 30 fps for smooth full-frame movie quality.

Extended Recording Time Record over a long period until the storage media is full.

TV Playback Connect the special A/V cable to a TV monitor and enjoy viewing your video on the big screen.

"Natural Light & with Flash"

■ Backlit scene...

Without flash (Natural Light)

&

With Intelligent Flash

Under low lighting or strong backlighting, it is sometimes hard to decide whether to use flash or not. This handy mode lets you take the same scene with and without flash with just one press of the shutter: one photo with Intelligent Flash and one shot with high sensitivity and only available natural light. Later you can choose one or keep both!

Large 2.5 inch LCD Monitor with 235,000 pixels of high-resolution

Bright and high resolution of the spacious LCD monitor promises comfortable photo composition and playback. Histogram display for checking brightness range and various interfaces for shooting and playback are all easy to see on the large display. Manual focus is also easy with the high resolution display.

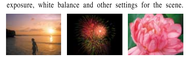
Expand photographic expression with priority functions.

Just turn the mode dial to "A" mode (Aperture Priority Auto) or "S" mode (Shutter Priority Auto) and explore the creation of professional photographic effects.

S Shutter Priority Auto

14 Scene Positions

Select the Scene Position that matches the situation, and your camera is instantly ready with the ideal shutter speed, exposure, white balance and other settings for the scene.


Sunset / Fireworks / Flower Close-up

Other: Natural Light / Natural Light & with Flash / Portrait / Landscape / Sport / Night / Snow / Beach / Party / Museum / Text

Wide Conversion Lens

Without adjusting the f-stop, convert focal length by approx. 0.8x(Equivalent to 22.4mm on wide angle).

■ Wide Conversion Lens WL-FX56

Powered by commonly available AA-type alkaline batteries.

When power runs low, you can easily purchase the AA-type alkaline battery virtually anywhere. FinePix S6500fd is also compatible with economical rechargeable Ni-MH batteries that take as many as 400 shots.

○Depending on the scene conditions, Face Detection performance may vary. ○Face Detection frames in photos of LCD screens in this brochure have been simulated.
+Comparison by Fujifilm